

WHAT IS CLAIMED IS:

1           1.       A method for monitoring and managing a remote server in a computer system  
2 network via a console, wherein one and only one communication line existing between the server  
3 and the console, the method comprising the steps of:

4           (a) servicing said communication line in the server via a server database management  
5 system protocol, by receiving server management operation requests from the console and  
6 returning the requested information to the console; and

7           (b) using a server database management system for recognizing the server management  
8 operation requests being in a stored procedure call format, and for invoking an appropriate stored  
9 procedure encoding the requested server management operation.

1           2.       The method according to claim 1, wherein the request for the server management  
2 operation comprises one or more commands selected from a group comprising server operating  
3 system routines and file I/O routines.

1           3.       The method according to claim 2, wherein the file I/O routines being invoked by  
2 the server DB2 database management system stored procedure calls.

1           4.       The method according to claim 1, wherein the returned requested information  
2 having a database table format.

1           5.       An apparatus for monitoring and managing a remote server computer in a computer  
2 network, comprising:

3           a server computer system (server) having a database management system for invoking  
4 stored procedure calls and retrieving data from a database stored in an electronic storage device  
5 coupled to the server computer system;

6           a console computer system (console) for managing the server computer system; and

one and only one communication line between the server and the console, said line being serviced in the server via a database management system protocol, wherein said communication line transferring from the console requests for both the server database management system operations and the server management operations, and returning the requested information to the console.

6. The apparatus according to claim 5, wherein the request for the server management operation comprises one or more commands selected from a group comprising server operating system routines and file I/O routines.

7. The apparatus according to claim 6, wherein the file I/O routines being invoked by the server DB2 database management system stored procedure calls.

8. The apparatus according to claim 5, wherein the returned requested information having a database table format.

9. An apparatus for monitoring and managing a remote server computer in a computer network, comprising:

a server computer system (server) having a database management system for invoking stored procedure calls and retrieving data from a database stored in an electronic storage device coupled to the server computer system;

a console computer system (console) for managing the server computer system;

one and only one communication line between the server and the console;

means, performed by the server computer system, for servicing said communication line in the server via a database management system protocol, and for receiving server management operation requests from the console and returning the requested information to the console; and

means, performed by the server database management system, for recognizing the server management operation requests being in a stored procedure call format, and for invoking an appropriate stored procedure encoding the requested server management operation.

10. The apparatus according to claim 9, wherein the request for the server management operation comprises one or more commands selected from a group comprising server operating system routines and file I/O routines.

11. The apparatus according to claim 10, wherein the file I/O routines being invoked by the server DB2 database management system stored procedure calls.

12. The apparatus according to claim 9, wherein the returned requested information having a database table format.

13. A program storage device readable by a computer tangibly embodying a program of instructions executable by the computer to perform method steps for monitoring and managing a remote server in a computer system network via a console, wherein one and only one communication line existing between the server and the console, the method comprising the steps of:

(a) servicing said communication line in the server via a server database management system protocol, by receiving server management operation requests from the console and returning the requested information to the console; and

(b) using the server database management system for recognizing the server management operation requests being in a stored procedure call format, and for invoking an appropriate stored procedure encoding the requested server management operation.

1           14.    The method according to claim 13, wherein the request for the server  
2 management operation comprises one or more commands selected from a group comprising  
3 server operating system routines and file I/O routines.

1           15.    The method according to claim 14, wherein the file I/O routines being invoked by  
2 the server DB2 database management system stored procedure calls.

1           16.    The method according to claim 13, wherein the returned requested information  
2 having a database table format.